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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/808,149	03/24/2004	Ming Gao Yao	12553/109	5283
7590 KENYON & KENYON Suite 600 333 N. San Carlos Street San Jose, CA 95110-2711				
			EXAMINER CASTRO, ANGEL A	
			ART UNIT 2627	PAPER NUMBER
			MAIL DATE 06/03/2009	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/808,149

**Applicant(s)**

YAO ET AL.

**Examiner**

Angel A. Castro

**Art Unit**

2627

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 February 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) 5-7, 12-14, 18-20 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/CDC)
- Paper No(s)/Mail Date \_\_\_\_\_

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

1. In view of the appeal brief filed on 2/23/2009, PROSECUTION IS HEREBY REOPENED. New grounds of rejection are set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

(1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,

(2) initiate a new appeal by filing a notice of appeal under 37 CFR 41.31 followed by an appeal brief under 37 CFR 41.37. The previously paid notice of appeal fee and appeal brief fee can be applied to the new appeal. If, however, the appeal fees set forth in 37 CFR 41.20 have been increased since they were previously paid, then appellant must pay the difference between the increased fees and the amount previously paid.

A Supervisory Patent Examiner (SPE) has approved of reopening prosecution by signing below.

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 3-4, 8, 10-11, 15 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamaguchi et al in view of Furuichi et al (U.S. Pat. 6,731,462).

Regarding claims 1 and 15, Yamaguchi et al discloses a suspension assembly (figures 1-5), comprising a suspension 3 to hold a slider above a data storage medium; and a slider fixture 56 formed on the suspension to couple with portions of at least two surfaces of the slider other than a surface facing the data storage medium (see figures 1, 3 and 5); and an adhesive substance is applied to the portions between the slider and the slider fixture to couple the slider to the slider fixture (column 7, lines 28-30).

Regarding claim 8, Yamaguchi et al discloses a magnetic disk drive, comprising a data storage medium 101 to store data; a slider 1 which has a read/write head 2; a suspension 3 to hold the slider above the data storage medium; a slider fixture 56 formed on suspension to couple with portions of at least two surfaces of the slider other than a surface facing the data storage medium, an adhesive substance is applied to the portions between the slider and the slider fixture to couple the slider to the slider fixture; and a controller to control movement of the suspension and operation of the read/write head (see figures 1, 3, 5 and column 7, lines 28-30).

Regarding claims 3-4, 10-11 and 17, Yamaguchi et al discloses that the slider fixture has a first side forming plate 56 formed to cover a first side surface of the slider and a second side forming plate 56 formed to cover a second side surface of the slider or that the slider fixture has a first side forming plate 56 formed to partially cover a first side surface of the slider and a second side forming plate 56 formed to partially cover a second side surface of the slider (see figure 5 or 26).

Yamaguchi et al shows a magnetic head 2 on a trailing surface of the slider and different than the surface coupled to the fixture, but does not specifically disclose that surface having a set of connecting pads. Furuichi et al discloses a slider 1 (figures 1-2)

having a magnetic head 12 on a trailing side of the slider and having on that surface a set of connecting pads 15. It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the suspension assembly of Yamaguchi et al with the trailing surface of the slider having a set of connecting pads as taught by Furuichi et al.

The rationale is as follows: one of ordinary skill in the art would have been motivated to provide the suspension assembly of Yamaguchi et al with the trailing surface of the slider having a set of connecting pads as taught by Furuichi et al as doing this would allow to connect the circuit on the suspension to the head on the slider.

4. Claims 2, 9 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamaguchi et al in view of Furuichi et al and further in view of Coon.

Regarding claims 2, 9 and 16, Yamaguchi et al in view of Furuichi et al discloses the suspension described above. Yamaguchi et al in view of Furuichi et al does not specifically disclose that the adhesive substance is applied as a partial dot on the portion between the slider and the slider fixture. Coon discloses a method of bonding a slider by applying a dot of adhesive (paragraph 0007). It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the suspension of Yamaguchi et al in view of Furuichi et al with the adhesive dot as taught by Coon.

The rationale is as follows: one of ordinary skill in the art would have been motivated to provide the suspension of Yamaguchi et al in view of Furuichi et al with the adhesive dot as taught by Coon as doing this would avoid a bridge and failure between the fixture and the slider.

***Response to Arguments***

5. Applicant's arguments with respect to claims 1-4, 8-11, 15-17 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angel A. Castro whose telephone number is 571-272-7584. The examiner can normally be reached on Monday through Thursday, 8 AM to 6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrea Wellington can be reached on 571-272-4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Art Unit: 2627

/Angel A. Castro/

Primary Examiner, Art Unit 2627

/Andrea L. Wellington/

Supervisory Patent Examiner, Art Unit  
2627